

ABSTRACT OF THE DISCLOSURE

For a rotary actuator device for stroke control of a charge changing valve in the cylinder head of an internal combustion engine with rocking stepper motor for driving a control disk with a cam profile controlling a charge changing valve, wherein the rocking motor is operated accordingly, an interplay of a closing spring of the poppet valve with a biased spring arm, provision is made for the achievement of stable end positions of the control disk, such that it is positioned by means of a separate first and second rotary abutment and is held securely against rotation in the particular starting position by the opening spring acting on a shaft bearing the control disk, while in each case by means of a relatively low powering of the stepper motor or of a ricochet movement brought about by means of corresponding abutments to overcome the starting position, the further supply of power remains substantially reduced by means of a rotor of the rocker motor chosen according to the energy exchange between closing spring and arm spring in a rotor of the rocker motor chosen to correspond to its flywheel moment.